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3553286	21

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<u>L1</u>	(high near sulfonated near styrene block) or (highly near sulfonated near polystyrene) or (highly near sulfonated near styrene near block) or (highly near sulfonated near polystyrene)	3221574	<u>L1</u>

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☐ 1. Document ID: US 7022810 B1

L7: Entry 1 of 7

File: USPT

Apr 4, 2006

US-PAT-NO: 7022810

DOCUMENT-IDENTIFIER: US 7022810 B1

TITLE: Proton exchange membrane materials for the advancement of direct methanol fuel-cell technology

DATE-ISSUED: April 4, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cornelius; Christopher J.	Albuquerque	NM		US

US-CL-CURRENT: 528/353; 525/420, 525/422, 525/432, 525/436, 528/125, 528/126, 528/128, 528/170, 528/171, 528/172, 528/173, 528/174, 528/176, 528/179, 528/183, 528/185, 528/220, 528/229, 528/310, 528/350, 528/351, 528/373

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/M/C	Drawings
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☐ 2. Document ID: US 6451921 B2

L7: Entry 2 of 7

File: USPT

Sep 17, 2002

US-PAT-NO: 6451921

DOCUMENT-IDENTIFIER: US 6451921 B2

TITLE: Block copolymers with sulfonated polyether sulfone units

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weisse; Hilmar	Mechernich			DE
Keul; Helmut	Aachen			DE
Hocker; Hartwig	Aachen			DE

US-CL-CURRENT: 525/328.5; 525/191, 525/242, 525/321, 525/326.1, 525/535, 528/171, 528/174, 528/391

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 3. Document ID: US 5017664 A

L7: Entry 3 of 7

File: USPT

May 21, 1991

US-PAT-NO: 5017664

DOCUMENT-IDENTIFIER: US 5017664 A

TITLE: Biocompatible polyurethane devices wherein polyurethane is modified with lower alkyl sulfonate and lower alkyl carboxylate

DATE-ISSUED: May 21, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grasel; Timothy G.	Madison	WI		
Cooper; Stuart L.	Madison	WI		

US-CL-CURRENT: 525/454; 528/49, 528/71, 604/266

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 4. Document ID: US 4880883 A

L7: Entry 4 of 7

File: USPT

Nov 14, 1989

US-PAT-NO: 4880883

DOCUMENT-IDENTIFIER: US 4880883 A

**** See image for Certificate of Correction ****

TITLE: Biocompatible polyurethanes modified with lower alkyl sulfonate and lower alkyl carboxylate

DATE-ISSUED: November 14, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grasel; Timothy G.	Madison	WI		
Cooper; Stuart L.	Madison	WI		

US-CL-CURRENT: 525/454; 528/49, 528/71

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 5. Document ID: US 4413106 A

L7: Entry 5 of 7

File: USPT

Nov 1, 1983

US-PAT-NO: 4413106
DOCUMENT-IDENTIFIER: US 4413106 A

TITLE: Heterogeneous sulfonation process for difficultly sulfonatable poly(ether sulfone)

DATE-ISSUED: November 1, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coplan; Myron J.	Natick	MA		
Gotz; Gertrud	Brookline	MA		

US-CL-CURRENT: 525/534; 525/535, 528/174

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment	Claims	KWC	Draw De
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☐ 6. Document ID: US 4097546 A

L7: Entry 6 of 7

File: USPT

Jun 27, 1978

US-PAT-NO: 4097546
DOCUMENT-IDENTIFIER: US 4097546 A

TITLE: Ozone resistant, cationic dyeable nylon containing lithium, magnesium or calcium salts of sulfonated polystyrene copolymers

DATE-ISSUED: June 27, 1978

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lofquist; Robert Alden	Richmond	VA		

US-CL-CURRENT: 525/183; 525/184, 528/313

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment	Claims	KWC	Draw De
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☐ 7. Document ID: US 4083893 A

L7: Entry 7 of 7

File: USPT

Apr 11, 1978

US-PAT-NO: 4083893
DOCUMENT-IDENTIFIER: US 4083893 A

TITLE: Ozone resistant, cationic dyeable nylon containing lithium, magnesium or calcium salts of sulfonated polystyrene

DATE-ISSUED: April 11, 1978

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Lofquist; Robert Alden Richmond VA
Haylock; John Christopher Richmond VA

US-CL-CURRENT: 525/184; 525/178, 528/313, 528/318, 528/336

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. Data
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